

Title (en)
ULTRA-HIGH PURITY BOURDON TUBE PRESSURE GAUGE SYSTEM

Title (de)
ULTRAHOCHREINES DRUCKWANDLERSYSTEM MIT EINEN BOURDONROHR

Title (fr)
SYSTEME ULTRA-PUR DE MANOMETRE A TUBE DE BOURDON

Publication
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Application
EP 98936830 A 19980710

Priority

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- US 5227197 P 19970711
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Abstract (en)
[origin: WO9902955A1] A reduced volume socket body (14) and a reduced volume tube (16) are used in a pressure gauge system in semiconductor fabrication process equipment. The socket body (14) includes an outlet and the tube (16) has an end (16a) connected to the outlet. The outlet is a shaped, weld prep (28) formed on the socket body (14) having an inner surface (22a). A continuous seat (32) is formed on the outlet and includes a seat thickness (S). The tube (16) has an inner wall (38) and an outer wall (36) defining a wall thickness (W) which is substantially the same as the seat thickness (S). The end (16a) of the tube (16) is engaged with the seat (32) so that the inner wall (38) of the tube and the inner surface (22a) of the outlet are substantially aligned to form a crevice free tube-to-socket connection.

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